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DIVISION OF OIL
GAS & MINING

MR Form 3
(Revised 1984)

ANNUAL OPERATIONS AND PROGRESS REPORT

From Month/Year Jan. 1, 1984
to Month/Year Dec. 31, 1984

(To be submitted for each mining operation at the end of each calendar year to the Division at this address:)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340

OPERATOR: United States Steel Corp. MINE NAME: Keigley Quarry

ADDRESS: 600 Grant Street, Pittsburgh, Pennsylvania 15230

PERMIT NUMBER AND DATE OF PERMIT: Pending ACT/049/001

REPRESENTATIVE: Roy Benson, P. O. Box 20-B RFD #1, Santaquin, Utah 84655

SECTION(S): 15, 22, 23, 26, 27 TOWNSHIP(S): 9 S RANGE(S): 1E SLBM

MINERAL(S) MINED: Limestone and dolomite

STATE AND/OR FEDERAL MINERAL LEASE NUMBERS:

SPECIAL USE PERMITS AND/OR RIGHTS-OF-WAY:

Section 40-8-15 and Rule M-8 of the Utah Mined Land Reclamation Act, requires each operator to include with this report an up-dated map and plan prepared in accordance with Rule M-3, as outlined in the requirements for annual report maps in Appendix I, providing a detailed status of all mining and reclamation activities which have occurred during the past year.

The report should include:

MINING:

(a) Tabulation of acreage disturbed (by pits, roads, facilities, etc.) during the report period with illustration on a current map.

Disturbance	Acreage	
Pit	_____	)
Roads	_____	)
Facilities	_____	)- 400 acres all within working
Waste Dumps	_____	) area
Other	_____	)

(b) Tabulation of acreage affected to date (by years).

Date by Year	Acreage (Total	
1975	_____	)
1976	_____	)
1977	_____	)
1978	_____	)- 400 acres all within working
1979	_____	) area
1980	_____	)
1981	_____	)
1982	_____	)
1983	_____	)

(c) Tabulation of all topsoil (new) stockpile volumes (see chart below) and date of stockpiling.

SOIL TABULATION CHART

	Area			
Area Affected (in mining sequence) (If more space is needed, please attach.)	1	2	3	etc.
Acreage of Area	400			
Depth of Topsoil Removal (inches)	0 No top soil available very minimal			
Depth of Topsoil Replacement (inches)*	0			
Estimate of Topsoil Volume Salvaged (yd^3 or ac ft)	0			
Volume Actually Salvaged (yd^3 or ac ft)	0			
Volume Required for Reclamation (yd^3 or ac ft)	0			
Surplus or Deficit Volume (yd^3 or ac ft)	0			
Storage Status (short- or long-term)	0			

Soil Tabulation Chart (continued)

Area Affected (in mining sequence)	Area 1	2	3	etc.
Storage Location	NA			
Area Where Soil Has Been Used (if not stored)	NA			
Running Total (all stockpiles) (yd^3 or ac ft)	NA			
Short-term	NA			
Long-term	NA			

*Of previously stripped area recently reclaimed.

(d) Tabulation of all (newly removed) out-of-pit spoil volumes, date of placement and illustration on a map.

Area	Date	Acreage
All areas being mined prior to 1975.		

(e) Tabulation of quantity of commodity mined.

	Commodity		Tonnage
(Mined)	Confidential Information	1984	Less than 1,000,000
(Milled)	Limestone and dolomite		Less than 500,000

(f) Description of any new construction during the report period with illustration on a map, including, but not limited to:

1. Buildings and support facilities.

None

2. Roads.

None

3. Diversion ditches, collector ditches, interceptor ditches, etc.

NONE

4. Culverts.

NONE

5. Sediment ponds, containment ponds.

NONE

6. Monitoring sites (vegetative, air quality, surface subsidence, surface water or ground water, etc.).

NONE

7. Topsoil stockpiles.

NONE

(g) Description of any environmental problem areas with a proposed plan for mitigation and illustration on a map, including, but not limited to:

1. Pit stability problems.

NONE

2. Subsidence.

NONE

3. Accidental water discharge, dam failure, etc.

NONE

4. Slumping, sliding or erosion.

NONE

5. Revegetation problem areas.

NONE

6. Existence and location of unsuitable (toxic) overburden.

NONE

RECLAMATION:

(a) Tabulation of the acreage reclaimed during the report period with illustration on a map, distinguishing between:

1. Backfilled, graded and contoured areas.

Area	Acreage
Actively mining in all areas	

2. Topsoiled areas.

Area	Acreage
NONE	

3. Seeded areas.

Area	Acreage
NONE	

4. Reseeded areas (areas previously seeded, then seeded again).

Area	Acreage
NONE	

(b) Tabulation of total acreage reclaimed (seeded with permanent seed mix) to date by years with illustration on an updated map:

Year	Acreage
1975	None
1976	None
1977	None
1978	None
1979	None
1980	None
1981	None
1982	None
1983	None
1984	None

(c) Description of the reclamation procedures used during the report period, including:

1. Average depth of topsoil applied.

NONE

2. Type of seed (species) used for seeding during the report period.

NONE

3. Date of seeding during the report period.

Spring NONE

Fall

4. Seeding procedures used.

(Hand broadcast or drilled or any other).

NA

5. Rate of seed application.

Pounds Per Acre of Pure Live Seed (PLS) (if varied, please explain)

NA

6. Type and rate of fertilizer applied.

NA

7. Type and rate of mulch applied.

NA

8. Rate of irrigation water applied, if any. Please describe any type of sprinkling, or water applied (water truck, etc.).

NA

9. Revegetation test plot information.

(Cover, density, productivity, etc.)

NA

10. Soil analysis results.

NA

(d) Description of results of previous revegetation efforts, including: (This should be done as applicable.)

1. Types (species) of seed that have germinated and are growing.

NA

2. Types (species) of seed that are not growing successfully.

NA

3. Areas experiencing problems with weeds and weed types.

NA

4. Significant erosional problems.

NA

5. Areas of unsuitable overburden on the surface as related to revegetation failure.

NA

6. Procedures used or proposed to correct these problems.

NA

7. Acreage and dates of release (upon inspection by the State) of revegetated areas.

Area	Date	Acreage
NA		

8. Results of soil analysis.

NA

(e) Summarization of the reclamation costs incurred during the report period, including itemized costs for each operation (i.e., grading, topsoil replacement, seeding, etc.) and for each type of disturbance (i.e., spoil, haul roads, facilities removal, etc.) on a per acre basis.

	Acres	Cost/Acre
	NA	NA
1. Grading		
2. Backfilling		
3. Contouring		
4. Topsoil Replacement		
5. Seeding		
A. Seedbed Preparation		
B. Mulch		
C. Fertilizer		
D. Seed		
6. Other		

BOND INFORMATION:

A. An updated bond estimate should be included, if required in the Division's approval of the Mining and Reclamation Plan (MRP) or if changes to the MRP have occurred, including a detailed itemization of actual/estimated reclamation costs as outlined in the RECLAMATION section above. The date of the release of revegetated areas from further responsibility for a partial bond release, if applicable, should also be included.

	Amount	Type	Date Posted
Present Bond			

Increased disturbance, if any:

Increased Bond Amount (attached reclamation estimate).

B. Bond release.

Acres	Bond Amount Released	Date

ADDITIONAL INFORMATION:

Supply any additional information as requested by the Division related to:

(a) Permit stipulations (status).
(b) Other special conditions (status).

APPENDIX I

ANNUAL REPORT MAPS

1. Maps must be clear and legible contour maps or recent aerial photos. The scale should be 1 inch = 500 feet to adequately show topographic features.

2. Map sheets should be of a reasonable size, not to exceed 48 inches on a side.

3. Maps must have a title block with:

   A. Map title.
   B. Name and address of permittee.
   C. Permit and amendment numbers.
   D. Annual report period.
   E. Scale, north arrow, contour interval, date of photography, etc.

4. All maps must show:

   A. Legal subdivisions.
   B. Permit area boundary clearly shown and labelled.
   C. Amendment areas clearly shown and labelled.
   D. Contour features.

5. The following features should all be clearly identified:

   A. Topsoil stockpiles (numbered and with volumes).
   B. Settling ponds and sediment control structures.
   C. Haul roads.
   D. Pits identified by location, name, number, etc.
   E. Ramps (numbered).
   F. Out-of-pit spoil dumps.
   G. All waste disposal sites including, but not limited to:
      1. Landfill sites.
      2. Carbonaceous waste dumps.
   H. Diversion ditches.
   I. Monitoring sites.

6. All areas to be affected by mining and reclamation in the coming year should be outlined and labelled.